

**TEMPE FIRE DEPARTMENT**  
**MINIMUM COMPANY STANDARDS**  
Performance Standards  
Evaluation Form

**FIRE SERVICE LADDERS**  
**ALUMINUM 35' EXTENSION LADDER**

**PERFORMANCE STANDARD:**            **NFPA 1001 3-11.2**

**3- Firefighter flat Carry and Flat Raise of a 35 ft. Extension Ladder.**

The firefighter operating as a member of a team, shall demonstrate the proper procedures for a three firefighter flat carry and flat raise and lower of a 35 ft. extension ladder in both the tip and butt positions.

**OBJECTIVE:**

Starting 30 feet from a designated structure, three firefighters shall pick up, carry and raise a 35 ft. extension ladder to a second story roof or its equivalent. The ladder will be properly set with a minimum of three rungs above the roofline or its equivalent. The firefighter shall verbalize to the evaluator ***each step identified in bold italic print as it is performed.*** Firefighters may only receive communication from the designated person (team member) to ensure the ladder is properly extended. The task shall be performed in **sixty seconds (60 seconds) or less.** To obtain a performance rating of pass, the firefighter must; 1) Complete the task in 60 seconds or less, 2) Successfully perform all **pass / fail** competencies, and 3) Obtain a minimum of 6 out of the 8 total points possible for this task.

**INSTRUCTIONS: - Procedures for achieving the objective:**

You and two designated people will pick up and carry a 35 ft. extension ladder, thirty (30) feet to a designated structure. You will raise the ladder to a two-story roofline or its equivalent. You will be required to verbalize key points while performing this skill. You and your team members will raise the ladder without laying the ladder on the ground. You will be required to set the ladder with at least three rungs above a second story roof line or its equivalent. You will have a maximum time limit to complete this task of **60 seconds.** You will be evaluated on both the butt and tip positions of the ladder for this evaluation. You will only communicate with the other team members to assure the ladder is properly carried, raised, extended, and lowered. Time will start on my instructions and will end when you state that the ladder is suitable for climbing. Do you understand these instructions?

**PREPARATION & EQUIPMENT:**

35 ft. aluminum extension ladder  
Two story drill tower or equivalent

The firefighter shall accomplish the tasks wearing "FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS" to include helmet, gloves, coat, trousers, boots, and S.C.B.A.

**REFERENCE SOURCES:**

IFSTA, Essentials of Fire Fighting, 3<sup>rd</sup>. Edition, Pages 277-279

Tempe Fire Department Policy and Procedures Volume 4, Ground Ladders 405.05

**TEMPE FIRE DEPARTMENT / MINIMUM COMPANY STANDARDS**  
Performance Standards

**FIRE SERVICE LADDERS  
ALUMINUM 35' EXTENSION**

Firefighter: \_\_\_\_\_

Company/Shift: \_\_\_\_\_

Minimum Company Standards

Test Site: Tempe Fire Department Training Center

Evaluator: \_\_\_\_\_

Date: \_\_\_\_\_

**Performance rating of Firefighter on this standard: PASS \_\_\_\_\_ FAIL \_\_\_\_\_**

- a. As the ladder is pulled from the truck, the butt person positions himself with right shoulder under ladder beam, two rungs from the butt, and the tip firefighters takes a position on opposite sides of the ladder, approx. 4 rungs from the tip.

Using proper technique, firefighters shoulder ladder as ladder comes off truck.  
Firefighters carry ladder 30 feet to the structure in a controlled manner.

2.0 \_\_\_\_\_

- b. Firefighter at butt selects proper spot for placing ladder and checks for overhead obstructions.  
Firefighter at butt verbalizes that the area is **“clear”** of obstructions.  
Firefighter at butt grasps convenient rung with left hand, then with right hand, and lowers ladder to the ground.  
Firefighter at butt stabilizes ladder while tip persons rotate ladder clockwise so fly section is down.  
Butt person stands on bottom rung and grasps a convenient rung with both hands, leaning back.  
Firefighters at tip place outside hands on beams, and inside hands on the rungs, walking ladder to vertical.

P / F

- c. Butt person stabilizes ladder with right shoulder and hip. Grasps halyard with both hands.  
Firefighters at tip span beams with both hands and one foot butting outside edge of beam.  
Butt person asks tip persons if **“ready”** to raise the fly section.  
Firefighters at tip advise butt person that the ladder is stable and that they are ready to raise the fly with the command **“ready”**.  
Butt person raises fly of ladder to correct height and locks dogs.  
Tip person advises the butt person when the fly section is at the correct height

P / F

- d. Crew lowers ladder into building  
Butt person locks arms, keeps back straight, and shuffles feet backward.

Firefighters at tip span the beams and rungs with both hands and places foot on bottom rung.  
Tip person looks up as ladder is lowered into building and advises butt person of distance to wall.  
Tip person starts countdown to wall at 5', i.e., 5, 4, 3, 2, 1  
Butt person looks forward at tip person during lower.

2.0 \_\_\_\_\_

- e. To adjust ladder both tip firefighters stand on opposite sides of the ladder, inside hand grab rung, outside hand spans beams.

One firefighter looks down. One firefighter looks up.

***Person assigned to the butt position advises evaluator that the climbing angle is acceptable and the ladder is ready to climb.***

Climbing angle is determined by dividing the working length of ladder by four, referring to the positioning label on the beam of the ladder, or by standing on the bottom rung with arms extended. Palms should rest on rung.

2.0 \_\_\_\_\_

3.0

- f. The Firefighter assigned to the butt position secures halyard by tying a bangor knot.

2.0 \_\_\_\_\_

- g. Accomplishes all tasks in time allotted.

P / F

**Allotted time for this skill: 60 seconds**

**Time \_\_\_\_\_ Minutes \_\_\_\_\_ Seconds**

Total points possible: 8

Total points needed to pass: 6

Total points scored: \_\_\_\_\_

## **LOWERING OF LADDER MUST BE DONE PROPERLY. NO TIME LIMIT HAS BEEN SPECIFIED.**

To lower ladder, reverse the procedure.

Firefighters at tip place inside foot on bottom rung. Spans beam and rung with hands.

Person at ladder butt spans beams with hands, locks arms straight. Using proper body position pushes ladder to vertical with assistance of tip persons. As ladder approaches vertical, butt person places one foot on bottom rung for stability.

With ladder stable in vertical position, tip firefighters stand with hands spanning beams outside foot against outside of beam. Butt person places right hip and shoulder against beam of ladder and grasps halyard with both hands.

Firefighters communicate that ladder is stable and they are ready to lower ladder.

The firefighter assigned to the butt position lowers the fly section using the hand over hand method and locks the dogs.

The butt position grasps the rungs and places both feet on the bottom rung of the ladder. The tip position walks the rungs and beams by hand, and lowers ladder to ground.

Firefighters rotate ladder so tip is up

Firefighters address the ladder on the ground, butt to butt. The butt person gives the command "lift ladder"; crew lifts the ladder to their shoulders. The butt person gives the command "reverse", and firefighters switch shoulders by pivoting around, keeping ladder stationary.

The ladder is carried away from the building tip first.

The ladder is lowered to the ground, or replaced on the truck.

All mandatory tasks successfully passed:            **Yes**    **No**    **N/A**    (circle one)

**Comments:** (Mandatory if overall rating is **fail**)